

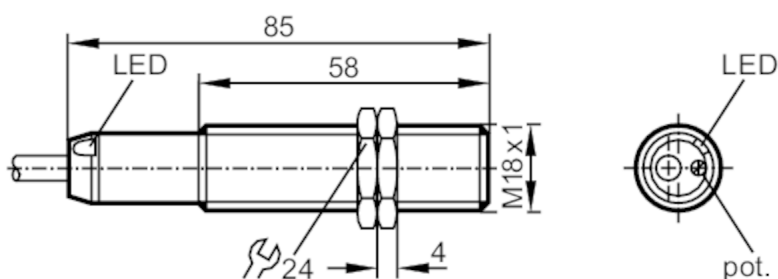
Capacitive sensor

KG-3002-BNKG

Article no longer available - archive entry

Alternative articles: KG5046

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design	NPN
Output function	normally closed
Sensing range [mm]	1.6; (fixed, sealed with screw retaining compound)
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 85

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	< 5; (24 V; disabled; conductive: > 12)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	NPN
Output function	normally closed
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	50
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	1.6; (fixed, sealed with screw retaining compound)
Real sensing range Sr [mm]	1.6; ($\pm 0,1$)

Accuracy / deviations

Correction factor	glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2
Hysteresis [% of Sr]	1...15
Switch point drift [% of Sr]	-15...15

KG5032



Capacitive sensor

KG-3002-BNKG

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
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Mechanical data

Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M18 x 1 / L = 85
Thread designation		M18 x 1
Materials		PBT

Displays / operating elements

Display	switching status	1 x LED, yellow
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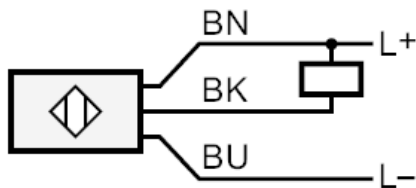
Remarks

Pack quantity		1 pcs.
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Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



BN = Core colours : brown
BU = blue
BK = black